

CTV Rio Handheld Ticket Validator



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Contactless Ticket Validator Rio is a rugged, lightweight handheld POS terminal engineered to streamline mobile fare collection and secure on-the-go payments. By combining rapid processing with a highly intuitive interface, it transforms complex transit ticketing into a fast, seamless checkout experience for both passengers and operators.



1D/2D Scanner



4-slot SAM Module



Open loop/Close loop Payment

5"

DISPLAY
HD Touch Screen

QUAD CORE

CORTEX PROCESSOR
High Performance with Quad Core

BATTERY

LONG LASTING
7500mAh Battery

General Specifications

Processor	Quad-Core core Cortex-A55 @ 1.8GHz
GPU	Mali-G52 GPU. Support OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
RAM	2GB LPDDR4 / LPDDR4X
Memory	16GB flash
External Memory	MicroSD Card
Operating System	Android 14
Display	5", 720 x 1280 with Capacitive Touch Screen
SIM Card	Dual Standard SIM (size ID-000)
Network Connectivity	LTE-4G (mPcie) with Nano SIM card slot
Camera	Front Camera: 8 Mega Pixel Fixed Focus
Contactless Card Reader	Contactless ISO14443 A & B, MIFARE family, Sony Felica, EMV Contactless
Payment Schemes	EMV contactless, Discover, JCB, Interac, Apple Pay, Google Pay, Diners Club, Union Pay, MasterCard, Visa, Samsung Pay
SAM Module	4 x SAM Slots
Scanner	High Performance 1D / 2D Scan Engine
GNSS	GPS, GLONASS, BDS, Galileo, QZSS, SBAS
Wi-Fi	Wi-Fi (Dual Band 2.4GHz/ 5GHz)
Bluetooth	BLE 5.2
Printer	Direct Line Thermal, 57mm Paper Width
USB Port	Type-C USB 2.0 (High-Speed)/ USB3.1(Full-speed)
Battery	7500mAh Li-Po battery
Power Supply	Type-C Fast Charger
External Ports	RS232
Operating Temperature	-20°C to 50°C
Dimensions	205mm (H) x 87.5mm (W) x 57mm (D)